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August 31, 2021

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Executive Director
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, SC 29210

Re: Duke Energy Progress, LLC- Monthly Fuel Report
Docket Number: 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of July 2021.

Also included are revised schedules to the Monthly Fuel Cost Report for June 2021. Those schedules have been revised as follows:

- June 2021 – Schedules 1, 2 and 4 have been revised to correct the total system kWh sales reported for the period.

Sincerely,

Katie M Brown

Katie M. Brown

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Mr. Jeff Nelson, Office of Regulatory Staff
Mr. Michael Seaman-Huynh, Office of Regulatory Staff
Mr. Ryder Thompson, Office of Regulatory Staff

Schedule 1

DUKE ENERGY PROGRESS
SUMMARY OF MONTHLY FUEL REPORT

Line No.	Item		JULY 2021
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	164,127,027
	MWH sales:		
2	Total System Sales		6,741,887
3	Less intersystem sales		745,323
4	Total sales less intersystem sales		5,996,564
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		2.7370
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.2405
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		1,097,710
8	Oil		4,770
9	Natural Gas - Combustion Turbine		216,089
10	Natural Gas - Combined Cycle		2,040,360
11	Biogas		642
12	Total Fossil		3,359,571
13	Nuclear		2,682,133
14	Hydro - Conventional		35,316
15	Solar Distributed Generation		24,673
16	Total MWH generation		6,101,693

Notes:
Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		JULY 2021
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	37,914,879
0501310 fuel oil consumed - steam		591,517
Total Steam Generation - Account 501		38,506,396
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		16,066,386
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		6,402,585
0547000 natural gas capacity - Combustion Turbine		797,039
0547000 natural gas consumed - Combined Cycle		51,977,609
0547000 natural gas capacity - Combined Cycle		11,209,084
0547106 biogas consumed - Combined Cycle		31,825
0547200 fuel oil consumed		240,298
Total Other Generation - Account 547		70,658,440
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		44,403,730
Fuel and fuel-related component of DERP purchases		79,034
PURPA purchased power capacity		16,289,389
DERP purchased power capacity		18,208
Total Purchased Power and Net Interchange - Account 555		60,790,361
Less:		
Fuel and fuel-related costs recovered through intersystem sales		24,748,318
Solar Integration Charge		50
Miscellaneous Fees Collected		-
Total Fuel Credits - Accounts 447/456		24,748,368
Total Costs Included in Base Fuel Component	$	161,273,215
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	2,287
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		3,122,571
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		209,140
Less emissions expense recovered through intersystem sales - Account 447		61,906
Total Costs Included in Environmental Component		2,853,812
Fuel and Fuel-related Costs excluding DERP incremental costs	$	164,127,027
DERP Incremental Costs		342,545
Total Fuel and Fuel-related Costs	$	164,469,572

Notes:
Detail amounts may not add to totals shown due to rounding.
DERP details are presented on Page 2.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		JULY 2021
DERP Avoided Costs (Total Capacity and Energy)		
Purchased Power Agreements	$	8,192
Shared Solar Program		796
Total DERP Avoided Costs	$	8,988
DERP Incremental Costs		
Purchased Power Agreements		22,125
DERP NEM Incentive		190,153
Solar Rebate Program - Amortization		51,412
Solar Rebate Program - Carrying Costs		39,400
Shared Solar Program		14,573
NEM Avoided Capacity Costs		458
NEM Meter Costs		11,896
General and Administrative Expenses		12,471
Interest on under-collection due to cap		58
Total DERP Incremental Costs	$	342,545

Notes:
Detail amounts may not add to totals shown due to rounding.
All amounts represent SC retail.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

Schedule 3, Purchases
Page 1 of 2

JULY 2021

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	**$**	**$**	**mWh**	**Fuel $**	**Non-fuel $**
Broad River Energy, LLC	$ 7,124,987	$ 3,303,833	70,232	$ 3,821,154	-
City of Fayetteville	3,015,129	2,997,500	390	17,629	-
DE Carolinas - Native Load Transfer	1,376,011	-	33,570	1,391,525	$ (15,514)
DE Carolinas - Native Load Transfer Benefit	194,206	-	-	194,206	-
Haywood EMC	28,000	28,000	-	-	-
NCEMC	7,543,089	5,957,804	32,579	1,585,285	-
PJM Interconnection, LLC	(469)	-	-	(469)	-
Southern Company Services	12,809,159	3,087,174	231,996	9,721,985	-
Energy Imbalance	28,622	-	728	27,720	902
Generation Imbalance	17,472	-	470	11,624	5,848
	$ 32,136,206	**$ 15,374,311**	**369,965**	**$ 16,770,659**	**$ (8,764)**
Act 236 PURPA Purchases					
DERP Qualifying Facilities	$ 124,871	-	2,773	$ 124,871	-
Other Qualifying Facilities	28,462,567	-	370,394	28,462,567	-
Renewable Energy	15,426,048	-	187,111	15,426,048	-
Competitive Procurement Renewable Energy	33,845	-	1,425	33,845	-
	$ 44,047,331	**-**	**561,703**	**$ 44,047,331**	**-**
Total Purchased Power	**$ 76,183,537**	**$ 15,374,311**	**931,668**	**$ 60,817,990**	**$ (8,764)**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

JULY 2021

Sales	Total $	Capacity $	Non-capacity mWh	Non-capacity Fuel $	Non-capacity Non-fuel $
Utilities:					
DE Carolinas - As Available Capacity	$ 71,750	$ 71,750	-	-	-
Market Based:					
NCEMC Purchase Power Agreement	1,118,000	652,500	11,388	$ 419,652	$ 45,848
PJM Interconnection, LLC	21,894	-	2,050	48,277	(26,383)
Other:					
DE Carolinas - Native Load Transfer	25,073,559	-	731,852	23,556,404	1,517,155
DE Carolinas - Native Load Transfer Benefit	994,932	-	-	994,932	-
Generation Imbalance	62	-	33	99	(37)
Total Intersystem Sales	**$ 27,280,197**	**$ 724,250**	**745,323**	**$ 25,019,364**	**$ 1,536,583**

* Sales for resale other than native load priority.
NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
JULY 2021

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					5,996,563,815
2	DERP Net Metered kWh generation	Input					2,824,934
3	Adjusted System kWh sales	L1 + L2					5,999,388,749
4	Actual S.C. Retail kWh sales	Input	191,412,779	26,768,336	329,870,647	6,180,566	554,232,328
5	DERP Net Metered kWh generation	Input	1,695,588	40,841	1,088,505		2,824,934
6	Adjusted S.C. Retail kWh sales	L4 + L5	193,108,367	26,809,177	330,959,152	6,180,566	557,057,262
7	Actual S.C. Demand units (kw)	L32 / 31b *100			627,437		
Base fuel component of recovery - non-capacity							
8	Incurred System base fuel - non-capacity expense	Input					$132,880,461
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$63,800
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$132,944,261
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.216
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$4,279,211	$594,082	$7,333,934	$136,959	$12,344,186
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($29,172)	($4,035)	($30,593)	$0	($63,800)
14	S.C. Retail portion of incurred system expense	L12 + L13	$4,250,039	$590,047	$7,303,341	$136,959	$12,280,386
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	1.881	1.881	1.882	1.881	1.882
	Rate Changes:						
	15a New approved rates	Input	1.874	1.874	1.874	1.874	
	15b Ratios of days to rate	Input	46.72%	46.29%	37.07%	48.36%	
	15c Prior approved rates	Input	1.887	1.887	1.887	1.887	
	15d Ratio of days to rate	Input	53.28%	53.71%	62.93%	51.64%	
	15e Total prorated ¢/KWH	(L15a*L15b) + (L15c * L15d)	1.881	1.881	1.882	1.881	1.882
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$3,600,165	$503,508	$6,208,761	$116,239	$10,428,673
17	DERP NEM incentive - fuel component	Input	$1,091	$151	$1,144	$0	$2,386
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$3,601,256	$503,659	$6,209,905	$116,239	$10,431,059
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L14 - L18	$648,783	$86,388	$1,093,436	$20,720	$1,849,327
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	**$648,783**	**$86,388**	**$1,093,436**	**$20,720**	**$1,849,327**
Base fuel component of recovery - capacity							
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.625	0.618			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			200		
23	Incurred S.C. base fuel - capacity expense	Input	$1,195,784	$165,404	$1,254,025		$2,615,213
24a	Billed base fuel - capacity rates by class (¢/kWh) - Note 2	Input	0.497	0.461			
	Rate Changes:						
	24a.1 New approved rates	Input	0.462	0.580			
	24a.2 Ratios of days to rate	Input	46.72%	46.29%			
	24a.3 Prior approved rates	Input	0.528	0.358			
	24a.4 Ratio of days to rate	Input	53.28%	53.71%			
	24a.5 Total prorated ¢/KWH	(L24a.1*L24a.2) + (L24a.3 * L24a.4)	0.497	0.461			
24b	Billed base fuel - capacity rate (¢/kW)	Input			126		
	Rate Changes:						
	24b.1 New approved rates	Input			157		
	24b.2 Ratios of days to rate	Input			37.07%		
	24b.3 Prior approved rates	Input			108		
	24b.4 Ratio of days to rate	Input			62.93%		
	24b.5 Total prorated ¢/KW	(L24b.1*L24b.2) + (L24b.3 * L24b.4)			126		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$951,504	$123,341	$836,443	$0	$1,911,288
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L23 - L25	$244,280	$42,063	$417,582	$0	$703,925
27	Adjustment	Input					
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	**$244,280**	**$42,063**	**$417,582**	**$0**	**$703,925**

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
JULY 2021

			Total Residential	General Service Non-Demand	Demand	Lighting	Total
Environmental component of recovery							
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.063	0.062			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			20		
30	Incurred S.C. environmental expense	Input	$120,604	$16,682	$126,478		$263,764
31a	Billed environmental rates by class (¢/kWh) - Note 3	Input	0.013	0.013			
	Rate Changes:						
	31a.1 New approved rates	Input	0.005	0.015			
	31a.2 Ratios of days to rate	Input	46.72%	46.29%			
	31a.3 Prior approved rates	Input	0.021	0.012			
	31a.4 Ratio of days to rate	Input	53.28%	53.71%			
	31a.5 Total prorated ¢/KWH	(L31a.1*L31a.2) + (L31a.3 * L31a.4)	0.014	0.013			
31b	Billed environmental rate (¢/kW)	Input			5		
	Rate Changes:						
	31b.1 New approved rates	Input			4		
	31b.2 Ratios of days to rate	Input			37.07%		
	31b.3 Prior approved rates	Input			6		
	31b.4 Ratio of days to rate	Input			62.93%		
	31b.5 Total prorated ¢/KW	(L31b.1*L31b.2) + (L31b.3 * L31b.4)			5		
32	Billed S.C. environmental revenue	L31a * L4 /100	$25,701	$3,584	$ 32,994		$62,279
33	S.C. environmental (over)/under recovery [See footnote]	L30 - L32	$94,903	$13,098	$93,484	$0	$201,485
34	Adjustment	Input					
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	**$94,903**	**$13,098**	**$93,484**	**$0**	**$201,485**
Distributed Energy Resource Program component of recovery: avoided costs							
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.002	0.002			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			1		
37	Incurred S.C. DERP avoided cost expense	Input	$4,110	$568	$4,310		$8,988
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh) - Note 4	Input	0.002	0.002			
	Rate Changes:						
	38a.1 New approved rates	Input	0.003	0.004			
	38a.2 Ratios of days to rate	Input	46.72%	46.29%			
	38a.3 Prior approved rates	Input	0.002	0.001			
	38a.4 Ratio of days to rate	Input	53.28%	53.71%			
	38a.5 Total prorated ¢/KWH	(L38a.1*L38a.2) + (L38a.3 * L38a.4)	0.002	0.002			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			2		
	Rate Changes:						
	38b.1 New approved rates	Input			1		
	38b.2 Ratios of days to rate	Input			37.07%		
	38b.3 Prior approved rates	Input			2		
	38b.4 Ratio of days to rate	Input			62.93%		
	38b.5 Total prorated ¢/KW	(L38b.1*L38b.2) + (L38b.3 * L38b.4)			2		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$4,689	$639	$10,047		$15,375
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L37 - L39	($579)	($71)	($5,737)	$0	($6,387)
41	Adjustment	Input					
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	**($579)**	**($71)**	**($5,737)**	**$0**	**($6,387)**
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	**$987,387**	**$141,478**	**$1,598,765**	**$20,720**	**$2,748,350**

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
JULY 2021

Cumulative (over) / under recovery - **BASE FUEL NON-CAPACITY**	**Cumulative**	**Total Residential**	**General Service Non-Demand**	**Demand**	**Lighting**	**Total**
Balance ending February 2021	$10,892,003					
March 2021 - actual	10,684,199	(89,214)	(9,718)	(106,292)	(2,580)	($207,804)
April 2021 - actual	10,033,278	(193,518)	(28,845)	(420,114)	(8,444)	(650,921)
May 2021 - actual	12,543,282	711,542	104,099	1,658,133	36,230	2,510,004
June 2021 - actual	14,049,424	474,479	66,073	946,736	18,854	1,506,142
July 2021 - actual	15,898,751	648,783	86,388	1,093,436	20,720	1,849,327
August 2021 - forecast	15,420,020	(167,793)	(20,547)	(283,722)	(6,669)	(478,731)
September 2021 - forecast	14,142,890	(443,739)	(55,077)	(760,303)	(18,011)	(1,277,130)
October 2021 - forecast	11,997,302	(647,256)	(99,056)	(1,366,754)	(32,522)	(2,145,588)
November 2021 - forecast	10,811,210	(361,754)	(54,473)	(751,806)	(18,059)	(1,186,092)
December 2021 - forecast	10,208,639	(222,566)	(25,132)	(346,559)	(8,314)	(602,571)
January 2022 - forecast	10,600,803	159,411	15,390	212,283	5,080	392,164
February 2022 - forecast	10,195,975	(167,326)	(15,692)	(216,637)	(5,173)	(404,828)
March 2022 - forecast	9,227,648	(363,834)	(39,964)	(551,364)	(13,165)	(968,327)
April 2022 - forecast	7,551,967	(529,523)	(75,811)	(1,045,401)	(24,946)	(1,675,681)
May 2022 - forecast	6,716,753	(250,555)	(38,682)	(533,251)	(12,726)	(835,214)
June 2022 - forecast	$6,480,715	(79,567)	(10,344)	(142,742)	(3,385)	($236,038)

Cumulative (over) / under recovery - **BASE FUEL CAPACITY**	**Cumulative**	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2021	$5,044,753					
March 2021 - actual	5,042,812	(143,103)	39,099	102,063	0	($1,941)
April 2021 - actual	5,585,129	186,048	61,096	295,173	0	542,317
May 2021 - actual	6,269,253	303,937	64,155	316,032	0	684,124
June 2021 - actual	6,506,915	14,070	33,286	190,306	0	237,662
July 2021 - actual	7,210,840	244,280	42,063	417,582	0	703,925
August 2021 - forecast	6,499,102	(208,260)	(44,563)	(458,915)	0	(711,738)
September 2021 - forecast	5,949,854	(140,523)	(35,726)	(372,999)	0	(549,248)
October 2021 - forecast	5,633,878	107,935	(24,463)	(399,448)	0	(315,976)
November 2021 - forecast	5,430,255	109,937	(19,117)	(294,443)	0	(203,623)
December 2021 - forecast	4,776,605	(187,591)	(28,902)	(437,157)	0	(653,650)
January 2022 - forecast	3,914,741	(414,192)	(38,137)	(409,535)	0	(861,864)
February 2022 - forecast	3,125,913	(404,655)	(32,179)	(351,994)	0	(788,828)
March 2022 - forecast	2,797,544	(104,152)	(13,752)	(210,465)	0	(328,369)
April 2022 - forecast	2,680,600	141,531	(10,813)	(247,662)	0	(116,944)
May 2022 - forecast	2,650,525	179,900	(12,579)	(197,396)	0	(30,075)
June 2022 - forecast	$2,410,012	(14,741)	(22,970)	(202,802)	0	($240,513)

Cumulative (over) / under recovery - **ENVIRONMENTAL**	**Cumulative**	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2021	($348,874)					
March 2021 - actual	(370,923)	(10,494)	1,297	(12,852)	0	($22,049)
April 2021 - actual	(417,815)	(19,133)	(856)	(26,903)	0	(46,892)
May 2021 - actual	(364,529)	28,726	5,234	19,326	0	53,286
June 2021 - actual	(216,533)	68,730	11,233	68,033	0	147,996
July 2021 - actual	(15,048)	94,903	13,098	93,484	0	201,485
August 2021 - forecast	57,950	44,739	3,598	24,661	0	72,998
September 2021 - forecast	60,252	11,439	(811)	(8,326)	0	2,302
October 2021 - forecast	18,569	(6,768)	(3,481)	(31,434)	0	(41,683)
November 2021 - forecast	(3,073)	681	(2,201)	(20,122)	0	(21,642)
December 2021 - forecast	52,752	35,741	2,943	17,141	0	55,825
January 2022 - forecast	258,521	102,362	12,362	91,045	0	205,769
February 2022 - forecast	430,017	86,395	10,192	74,909	0	171,496
March 2022 - forecast	415,813	2,343	(1,658)	(14,889)	0	(14,204)
April 2022 - forecast	385,480	(3,028)	(2,735)	(24,570)	0	(30,333)
May 2022 - forecast	359,815	(1,411)	(2,568)	(21,686)	0	(25,665)
June 2022 - forecast	$386,768	21,526	671	4,756	0	$26,953

Cumulative (over) / under recovery - **DERP AVOIDED COSTS**	**Cumulative**	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2021	($19,309)					
March 2021 - actual	(30,648)	(799)	179	(10,719)	0	($11,339)
April 2021 - actual	(32,187)	3,561	690	(5,790)	0	(1,539)
May 2021 - actual	(27,598)	6,523	1,049	(2,983)	0	4,589
June 2021 - actual	(26,468)	4,740	851	(4,461)	0	1,130
July 2021 - actual	(32,855)	(579)	(71)	(5,737)	0	(6,387)
August 2021 - forecast	(35,247)	(355)	(222)	(1,815)	0	(2,392)
September 2021 - forecast	(37,764)	(453)	(233)	(1,831)	0	(2,517)
October 2021 - forecast	(39,151)	975	(182)	(2,180)	0	(1,387)
November 2021 - forecast	(41,364)	282	(239)	(2,256)	0	(2,213)
December 2021 - forecast	(47,110)	(1,928)	(344)	(3,474)	0	(5,746)
January 2022 - forecast	(53,623)	(3,123)	(367)	(3,023)	0	(6,513)
February 2022 - forecast	(59,155)	(2,828)	(297)	(2,407)	0	(5,532)
March 2022 - forecast	(60,576)	(368)	(105)	(948)	0	(1,421)
April 2022 - forecast	(58,776)	2,064	31	(295)	0	1,800
May 2022 - forecast	(52,987)	3,882	237	1,670	0	5,789
June 2022 - forecast	($52,407)	867	(76)	(211)	0	$580

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
JULY 2021

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$156,626	$113,038	$72,881	$342,545
45	Billed S.C. DERP incremental rates by account ($/account)	Input	0.99	3.51	99.47	
46	Billed S.C. DERP incremental revenue	Input	$140,143	$118,025	$26,881	$285,049
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	16,483	($4,987)	$46,000	$57,496
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	**$16,483**	**($4,987)**	**$46,000**	**$57,496**

Cumulative (over) / under recovery	**Cumulative**	Total Residential	Commercial	Industrial	**Total**
Balance ending February 2021	$173,595				
March 2021 - actual	164,763	(14,575)	(29,089)	$34,832	($8,832)
April 2021 - actual	179,864	(2,281)	(20,080)	$37,462	15,101
May 2021 - actual	197,477	(1,273)	(19,497)	38,383	17,613
June 2021 - actual	227,799	4,764	(15,382)	40,940	30,322
July 2021 - actual	285,295	16,483	(4,987)	46,000	57,496
August 2021 - forecast	332,462	21,567	15,565	10,035	47,167
September 2021 - forecast	382,470	22,866	16,502	10,640	50,008
October 2021 - forecast	434,771	23,914	17,259	11,128	52,301
November 2021 - forecast	486,839	23,808	17,182	11,078	52,068
December 2021 - forecast	537,274	23,061	16,643	10,731	50,435
January 2022 - forecast	575,560	17,506	12,634	8,146	38,286
February 2022 - forecast	614,316	17,721	12,789	8,246	38,756
March 2022 - forecast	655,931	19,028	13,733	8,854	41,615
April 2022 - forecast	698,926	19,659	14,188	9,148	42,995
May 2022 - forecast	743,014	20,159	14,549	9,380	44,088
June 2022 - forecast	$785,878	19,599	14,145	9,120	$42,864

Notes:
Detail amounts may not recalculate due to percentages presented as rounded.
Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel non-capacity rate is a composite rate reflecting the 7/1/21 approved residential rate of 1.887 and RECD 5% discount.
_/2 Total residential billed fuel capacity rate is a composite rate reflecting the 7/1/21 approved residential rate of .465 and RECD 5% discount.
_/3 Total residential billed environmental rate is a composite rate reflecting the 7/1/21 approved residential rate of .005 and RECD 5% discount.
_/4 Total residential billed DERP avoided capacity rate is a composite rate reflecting the 7/1/21 approved residential rate of .003 and RECD 5% discount.

Duke Energy Progress
Fuel and Fuel Related Cost Report
JULY 2021

Description	Mayo Steam	Roxboro Steam	Asheville CC/CT	Smith Energy Complex CC/CT	Sutton CC/CT	Lee CC	Blewett CT
Cost of Fuel Purchased ($)							
Coal	$2,201,759	$13,385,345	-	-	-	-	-
Oil	294,692	321,347	-	-	-	-	-
Gas - CC	-	-	$10,275,641	$20,889,561	$13,712,344	$18,309,147	-
Gas - CT	-	-	870,009	5,158,705	295,772	-	-
Biogas	-	-	-	163,794	-	-	-
Total	$2,496,451	$13,706,692	$11,145,650	$26,212,060	$14,008,116	$18,309,147	-
Average Cost of Fuel Purchased (¢/MBTU)							
Coal	367.63	312.40	-	-	-	-	-
Oil	1,596.21	1,565.87	-	-	-	-	-
Gas - CC	-	-	459.22	376.99	472.60	413.96	-
Gas - CT	-	-	394.14	371.69	690.72	-	-
Biogas	-	-	-	2,987.85	-	-	-
Weighted Average	404.37	318.38	453.38	377.99	475.77	413.96	-
Cost of Fuel Burned ($)							
Coal	$9,323,821	$28,591,058	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	245,584	345,933	$1,511	-	-	-	$17,575
Gas - CC	-	-	10,275,641	$20,889,561	$13,712,344	$18,309,147	-
Gas - CT	-	-	870,009	5,158,705	295,772	-	-
Biogas	-	-	-	163,794	-	-	-
Nuclear	-	-	-	-	-	-	-
Total	$9,569,405	$28,936,991	$11,147,161	$26,212,060	$14,008,116	$18,309,147	$17,575
Average Cost of Fuel Burned (¢/MBTU)							
Coal	371.29	314.68	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	1,449.73	1,433.03	1,573.96	-	-	-	1,683.43
Gas - CC	-	-	459.22	376.99	472.60	413.96	-
Gas - CT	-	-	394.14	371.69	690.72	-	-
Biogas	-	-	-	2,987.85	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	378.52	317.65	453.42	377.99	475.77	413.96	1,683.43
Average Cost of Generation (¢/kWh)							
Coal	4.22	3.26	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	14.70	14.62	18.20	-	-	-	65.09
Gas - CC	-	-	3.03	3.00	3.39	3.05	-
Gas - CT	-	-	4.60	2.97	7.27	-	-
Biogas	-	-	-	25.52	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	4.30	3.29	3.11	3.01	3.43	3.05	65.09
Burned MBTU's							
Coal	2,511,163	9,085,711	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	16,940	24,140	96	-	-	-	1,044
Gas - CC	-	-	2,237,606	5,541,134	2,901,455	4,422,925	-
Gas - CT	-	-	220,738	1,387,905	42,821	-	-
Biogas	-	-	-	5,482	-	-	-
Nuclear	-	-	-	-	-	-	-
Total	2,528,103	9,109,851	2,458,440	6,934,521	2,944,276	4,422,925	1,044
Net Generation (mWh)							
Coal	220,815	876,895	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	1,671	2,367	8	-	-	-	27
Gas - CC	-	-	339,067	695,952	404,404	600,937	-
Gas - CT	-	-	18,913	173,593	4,067	-	-
Biogas	-	-	-	642	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro (Total System)							
Solar (Total System)							
Total	222,486	879,262	357,988	870,187	408,471	600,937	27
Cost of Reagents Consumed ($)							
Ammonia	$41,106	$383,809	-	$28,768	-	-	-
Limestone	564,393	1,480,207	-	-	-	-	-
Re-emission Chemical	-	69,146	-	-	-	-	-
Sorbents	169,202	387,816	-	-	-	-	-
Urea	-	-	-	-	-	-	-
Total	$774,701	$2,320,978	-	$28,768	-	-	-

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.
Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Description	Darlington CT	Wayne County CT	Weatherspoon CT	Brunswick Nuclear	Harris Nuclear	Robinson Nuclear	Current Month	Total 12 ME JULY 2021
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$15,587,104	$231,180,359
Oil	-	-	$209,335	-	-	-	825,374	7,020,386
Gas - CC	-	-	-	-	-	-	63,186,693	571,854,781
Gas - CT	$31,915	$843,209	14	-	-	-	7,199,624	60,876,546
Biogas	-	-	-	-	-	-	163,794	4,077,012
Total	$31,915	$843,209	$209,349	-	-	-	$86,962,589	$875,009,084
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	319.18	328.17
Oil	-	-	2,040.50	-	-	-	1,676.12	1,334.23
Gas - CC	-	-	-	-	-	-	418.37	402.36
Gas - CT	381.44	372.52	-	-	-	-	381.70	355.27
Biogas	-	-	-	-	-	-	2,987.85	2,851.58
Weighted Average	381.44	372.52	2,040.64	-	-	-	396.59	379.82
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$37,914,879	$311,212,715
Oil - CC	-	-	-	-	-	-	-	4,245
Oil - Steam/CT	$84,573	$59,102	$77,537	-	-	-	831,815	14,823,150
Gas - CC	-	-	-	-	-	-	63,186,693	571,854,781
Gas - CT	31,915	843,209	14	-	-	-	7,199,624	60,876,546
Biogas	-	-	-	-	-	-	163,794	4,077,012
Nuclear	-	-	-	$8,141,661	$4,510,955	$3,413,770	16,066,386	169,161,383
Total	$116,488	$902,311	$77,551	$8,141,661	$4,510,955	$3,413,770	$125,363,191	$1,132,009,832
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	326.94	339.50
Oil - CC	-	-	-	-	-	-	-	1,572.22
Oil - Steam/CT	1,721.06	1,741.88	1,659.26	-	-	-	1,506.91	1,493.65
Gas - CC	-	-	-	-	-	-	418.37	402.36
Gas - CT	381.44	372.52	-	-	-	-	381.70	355.27
Biogas	-	-	-	-	-	-	2,987.85	2,851.58
Nuclear	-	-	-	54.87	60.30	57.90	56.95	56.57
Weighted Average	877.10	392.74	1,659.55	54.87	60.30	57.90	220.48	205.40
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.45	3.92
Oil - CC	-	-	-	-	-	-	-	15.74
Oil - Steam/CT	27.15	31.70	38.96	-	-	-	17.44	23.56
Gas - CC	-	-	-	-	-	-	3.10	2.87
Gas - CT	6.17	4.44	-	-	-	-	3.33	4.01
Biogas	-	-	-	-	-	-	25.52	20.39
Nuclear	-	-	-	0.58	0.63	0.61	0.60	0.59
Weighted Average	14.05	4.70	38.97	0.58	0.63	0.61	2.05	1.91
Burned MBTU's								
Coal	-	-	-	-	-	-	11,596,874	91,668,060
Oil - CC	-	-	-	-	-	-	-	270
Oil - Steam/CT	4,914	3,393	4,673	-	-	-	55,200	992,410
Gas - CC	-	-	-	-	-	-	15,103,120	142,126,597
Gas - CT	8,367	226,354	-	-	-	-	1,886,185	17,135,145
Biogas	-	-	-	-	-	-	5,482	142,974
Nuclear	-	-	-	14,836,750	7,481,392	5,895,469	28,213,611	299,047,410
Total	13,281	229,747	4,673	14,836,750	7,481,392	5,895,469	56,860,472	551,112,866
Net Generation (mWh)								
Coal	-	-	-	-	-	-	1,097,710	7,930,600
Oil - CC	-	-	-	-	-	-	-	27
Oil - Steam/CT	312	186	199	-	-	-	4,770	62,921
Gas - CC	-	-	-	-	-	-	2,040,360	19,900,444
Gas - CT	517	18,999	-	-	-	-	216,089	1,517,867
Biogas	-	-	-	-	-	-	642	19,994
Nuclear	-	-	-	1,397,354	721,395	563,384	2,682,133	28,698,153
Hydro (Total System)							35,316	879,928
Solar (Total System)							24,673	247,076
Total	829	19,185	199	1,397,354	721,395	563,384	6,101,693	59,257,011
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$453,683	$2,281,503
Limestone	-	-	-	-	-	-	2,044,600	9,714,353
Re-emission Chemical	-	-	-	-	-	-	69,146	69,146
Sorbents	-	-	-	-	-	-	557,018	3,634,218
Urea	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	$3,124,447	$15,699,220

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
JULY 2021

Description	Mayo	Roxboro	Asheville	Smith Energy Complex	Sutton	Lee	Blewett
Coal Data:							
Beginning balance	193,915	629,734	-	-	-	-	-
Tons received during period	24,415	169,837	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons burned during period	101,448	360,327	-	-	-	-	-
Ending balance	116,882	439,244	-	-	-	-	-
MBTUs per ton burned	24.75	25.22	-	-	-	-	-
Cost of ending inventory ($/ton)	91.91	79.34	-	-	-	-	-
Oil Data:							
Beginning balance	241,978	416,057	4,475,686	6,659,092	2,450,460	-	700,883
Gallons received during period	133,780	148,707	-	-	-	-	-
Miscellaneous use and adjustments	(3,297)	(7,432)	-	-	-	-	-
Gallons burned during period	122,574	175,092	702	-	-	-	7,428
Ending balance	249,888	382,240	4,474,984	6,659,092	2,450,460	-	693,454
Cost of ending inventory ($/gal)	2.00	1.98	2.15	2.33	2.80	-	2.37
Natural Gas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	2,375,933	6,687,796	2,841,429	4,268,605	-
MCF burned during period	-	-	2,375,933	6,687,796	2,841,429	4,268,605	-
Ending balance	-	-	-	-	-	-	-
Biogas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	-	5,293	-	-	-
MCF burned during period	-	-	-	5,293	-	-	-
Ending balance	-	-	-	-	-	-	-
Limestone/Lime Data:							
Beginning balance	18,728	41,612	-	-	-	-	-
Tons received during period	332	15,020	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons consumed during period	7,556	21,629	-	-	-	-	-
Ending balance	11,504	35,003	-	-	-	-	-
Cost of ending inventory ($/ton)	67.56	65.66	-	-	-	-	-

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
JULY 2021

Description	Darlington	Wayne County	Weatherspoon	Brunswick	Harris	Robinson	Current Month	Total 12 ME July 2021
Coal Data:								
Beginning balance	-	-	-	-	-	-	823,649	1,287,535
Tons received during period	-	-	-	-	-	-	194,252	2,803,814
Inventory adjustments	-	-	-	-	-	-	-	132,593
Tons burned during period	-	-	-	-	-	-	461,775	3,667,816
Ending balance	-	-	-	-	-	-	556,126	556,126
MBTUs per ton burned	-	-	-	-	-	-	25.11	24.99
Cost of ending inventory ($/ton)	-	-	-	-	-	-	81.98	81.98
Oil Data:								
Beginning balance	9,863,127	9,544,522	382,265	117,269	250,015	14,794	35,116,148	38,635,582
Gallons received during period	-	-	74,341	-	-	-	356,828	3,812,857
Miscellaneous use and adjustments	-	-	-	-	-	-	(10,729)	(137,580)
Gallons burned during period	35,340	24,619	33,387	-	-	-	399,142	7,247,752
Ending balance	9,827,787	9,519,903	423,219	117,269	250,015	14,794	35,063,105	35,063,105
Cost of ending inventory ($/gal)	2.39	2.40	2.32	2.31	2.31	2.31	2.37	2.37
Natural Gas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	8,110	218,595	-	-	-	-	16,400,468	153,997,576
MCF burned during period	8,110	218,595	-	-	-	-	16,400,468	153,997,576
Ending balance	-	-	-	-	-	-	-	-
Biogas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	-	-	-	-	-	5,293	138,286
MCF burned during period	-	-	-	-	-	-	5,293	138,286
Ending balance	-	-	-	-	-	-	-	-
Limestone/Lime Data:								
Beginning balance	-	-	-	-	-	-	60,340	101,565
Tons received during period	-	-	-	-	-	-	15,352	125,865
Inventory adjustments	-	-	-	-	-	-	-	7,807
Tons consumed during period	-	-	-	-	-	-	29,185	188,730
Ending balance	-	-	-	-	-	-	46,507	46,507
Cost of ending inventory ($/ton)	-	-	-	-	-	-	66.13	66.13

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

JULY 2021

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
MAYO	SPOT	-	-	-
	CONTRACT	24,415	$ 2,131,643	$ 87.31
	FIXED TRANSPORTATION/ADJUSTMENTS	-	70,116	-
	TOTAL	24,415	$ 2,201,759	90.18
ROXBORO	SPOT	24,638	$ 2,060,405	$ 83.63
	CONTRACT	145,199	10,903,790	75.10
	FIXED TRANSPORTATION/ADJUSTMENTS	-	421,150	-
	TOTAL	169,837	$ 13,385,345	$ 78.81
ALL PLANTS	SPOT	24,638	$ 2,060,405	$ 83.63
	CONTRACT	169,614	13,035,433	76.85
	FIXED TRANSPORTATION/ADJUSTMENTS	-	491,266	-
	TOTAL	194,252	$ 15,587,104	$ 80.24

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

JULY 2021

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
MAYO	7.48	10.74	12,265	1.73
ROXBORO	6.89	9.31	12,614	1.94

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

JULY 2021

	MAYO	ROXBORO	WEATHERSPOON
VENDOR	Greensboro Tank Farm & Indigo	Greensboro Tank Farm & Indigo	Selma Tank Farm
SPOT/CONTRACT	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0
GALLONS RECEIVED	133,780	148,707	74,341
TOTAL DELIVERED COST	$ 294,692	$ 321,347	$ 209,335
DELIVERED COST/GALLON	$ 2.20	$ 2.16	$ 2.82
BTU/GALLON	138,000	138,000	138,000

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
August, 2020 - July, 2021
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,617,205	938	92.70	90.82
Brunswick 2	7,329,158	932	89.77	89.56
Harris 1	7,742,322	964	91.68	90.16
Robinson 2	6,009,468	759	90.38	89.58

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
August, 2020 through July, 2021
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	949,265	225	48.16	60.90
Lee Energy Complex	1B	863,357	227	43.42	55.32
Lee Energy Complex	1C	1,049,613	228	52.55	66.57
Lee Energy Complex	ST1	1,926,259	379	58.02	77.90
Lee Energy Complex	Block Total	4,788,494	1,059	51.62	67.01
Smith Energy Complex	7	1,071,005	193	63.21	76.92
Smith Energy Complex	8	1,040,043	193	61.38	76.47
Smith Energy Complex	ST4	1,226,555	183	76.44	83.78
Smith Energy Complex	9	1,284,105	215	68.05	82.55
Smith Energy Complex	10	1,311,627	215	69.51	83.93
Smith Energy Complex	ST5	1,666,367	250	75.99	92.70
Smith Energy Complex	Block Total	7,599,702	1,251	69.34	83.19
Sutton Energy Complex	1A	1,232,169	224	62.79	77.71
Sutton Energy Complex	1B	1,238,255	224	63.10	78.09
Sutton Energy Complex	ST1	1,509,848	271	63.60	87.62
Sutton Energy Complex	Block Total	3,980,272	719	63.19	81.56
Asheville CC	ACC CT5	1,127,115	191	67.54	82.76
Asheville CC	ACC CT7	1,237,393	191	74.15	79.75
Asheville CC	ACC ST6	560,528	90	71.10	73.13
Asheville CC	ACC ST8	626,961	90	79.52	84.94
Asheville CC	Block Total	3,551,997	561	72.28	80.56

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
August, 2020 through July, 2021

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,315,409	727	20.66	37.45
Roxboro 2	2,302,844	673	39.06	83.90
Roxboro 3	2,351,338	698	38.46	70.50
Roxboro 4	1,420,710	711	22.81	58.03

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
August, 2020 through July, 2021
Other Cycling Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Roxboro 1	559,432	380	16.81	91.39

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
August, 2020 through July, 2021
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	76,600	360	92.19
Blewett CT	110	68	77.64
Darlington CT	2,727	265	93.21
Smith Energy Complex CT	1,145,995	949	88.03
Sutton Fast Start CT	32,038	98	90.83
Wayne County CT	303,457	960	93.40
Weatherspoon CT	729	164	97.67

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
August, 2020 through July, 2021
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	104,606	27.0	65.58
Marshall	152	4.0	56.06
Tillery	292,537	84.6	89.75
Walters	482,633	113.0	63.83

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Schedule 1

DUKE ENERGY PROGRESS
SUMMARY OF MONTHLY FUEL REPORT

Line No.	Item		JUNE 2021 REVISED
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	131,275,019
	MWH sales:		
2	Total System Sales		5,715,008
3	Less intersystem sales		688,244
4	Total sales less intersystem sales		5,026,764
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		2.6115
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.2234
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		1,006,256
8	Oil		6,113
9	Natural Gas - Combustion Turbine		110,905
10	Natural Gas - Combined Cycle		1,814,906
11	Biogas		1,417
12	Total Fossil		2,939,598
13	Nuclear		2,507,300
14	Hydro - Conventional		40,539
15	Solar Distributed Generation		23,278
16	Total MWH generation		5,510,715

Notes:
Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		JUNE 2021 REVISED
DERP Avoided Costs (Total Capacity and Energy)		
Purchased Power Agreements	$	15,897
Shared Solar Program		1,234
Total DERP Avoided Costs	$	17,132
DERP Incremental Costs		
Purchased Power Agreements		127
DERP NEM Incentive		194,116
Solar Rebate Program - Amortization		51,401
Solar Rebate Program - Carrying Costs		39,665
Shared Solar Program		7,344
NEM Avoided Capacity Costs		449
NEM Meter Costs		11,935
General and Administrative Expenses		13,284
Interest on under-collection due to cap		37
Total DERP Incremental Costs	$	318,357

Notes:
Detail amounts may not add to totals shown due to rounding.
All amounts represent SC retail.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
JUNE 2021 REVISED

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					5,026,764,210
2	DERP Net Metered kWh generation	Input					2,851,214
3	Adjusted System kWh sales	L1 + L2					5,029,615,424
4	Actual S.C. Retail kWh sales	Input	155,060,668	22,902,601	313,372,130	6,194,077	497,529,476
5	DERP Net Metered kWh generation	Input	1,628,659	34,899	1,187,656		2,851,214
6	Adjusted S.C. Retail kWh sales	L4 + L5	156,689,327	22,937,500	314,559,786	6,194,077	500,380,690
7	Actual S.C. Demand units (kw)	L32 / 31b *100			632,733		
Base fuel component of recovery - non-capacity							
8	Incurred System base fuel - non-capacity expense	Input					$110,407,268
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$64,507
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$110,471,775
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.196
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$3,441,565	$503,805	$6,909,073	$136,048	$10,990,491
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($29,495)	($4,080)	($30,932)	$0	($64,507)
14	S.C. Retail portion of incurred system expense	L12 + L13	$3,412,070	$499,725	$6,878,141	$136,048	$10,925,984
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	1.887	1.887	1.887	1.887	1.887
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$2,926,155	$432,172	$5,913,332	$116,882	$9,388,541
17	DERP NEM incentive - fuel component	Input	$2,868	$397	$3,007	$0	$6,272
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$2,929,023	$432,569	$5,916,339	$116,882	$9,394,813
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L14 - L18	$483,047	$67,156	$961,802	$19,166	$1,531,171
20	Adjustment	Input	$ (8,568)	$ (1,083)	$ (15,066)	$ (312)	$ (25,029)
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	**$474,479**	**$66,073**	**$946,736**	**$18,854**	**$1,506,142**
Base fuel component of recovery - capacity							
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.539	0.505			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			138		
23	Incurred S.C. base fuel - capacity expense	Input	$835,379	$115,552	$876,067		$1,826,998
24a	Billed base fuel - capacity rates by class (¢/kWh) - Note 2	Input	0.528	0.358			
24b	Billed base fuel - capacity rate (¢/kW)	Input			108		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$818,893	$81,991	$683,610	$0	$1,584,494
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L23 - L25	$16,486	$33,561	$192,457	$0	$242,504
27	Adjustment	Input	$ (2,416)	$ (275)	$ (2,151)	$ -	$ (4,842)
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	**$14,070**	**$33,286**	**$190,306**	**$0**	**$237,662**
Environmental component of recovery							
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.065	0.061			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			17		
30	Incurred S.C. environmental expense	Input	$101,178	$13,995	$106,106		$221,279
31a	Billed environmental rates by class (¢/kWh) - Note 3	Input	0.021	0.012			
31b	Billed environmental rate (¢/kW)	Input			6		
32	Billed S.C. environmental revenue	L31a * L4 /100	$32,325	$2,748	$ 37,964		$73,037
33	S.C. environmental (over)/under recovery [See footnote]	L30 - L32	$68,853	$11,247	$68,142	$0	$148,242
34	Adjustment	Input	$ (123)	$ (14)	$ (109)	$ -	$ (246)
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	**$68,730**	**$11,233**	**$68,033**	**$0**	**$147,996**
Distributed Energy Resource Program component of recovery: avoided costs							
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.005	0.005			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			1		
37	Incurred S.C. DERP avoided cost expense	Input	$7,833	$1,084	$8,215		$17,132
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh) - Note 4	Input	0.002	0.001			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			2		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$3,079	$229	$12,665		$15,973
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L37 - L39	$4,754	$855	($4,450)	$0	$1,159
41	Adjustment	Input	$ (14)	$ (4)	$ (11)	$ -	$ (29)
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	**$4,740**	**$851**	**($4,461)**	**$0**	**$1,130**
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	**$562,019**	**$111,443**	**$1,200,614**	**$18,854**	**$1,892,930**

Cumulative (over) / under recovery - **BASE FUEL NON-CAPACITY**	**Cumulative**	**Total Residential**	**General Service Non-Demand**	**Demand**	**Lighting**	**Total**
Balance ending February 2021	$10,892,003					
March 2021 - actual	10,684,199	(89,214)	(9,718)	(106,292)	(2,580)	($207,804)
April 2021 - actual	10,033,278	(193,518)	(28,845)	(420,114)	(8,444)	(650,921)
May 2021 - actual	12,543,282	711,542	104,099	1,658,133	36,230	2,510,004
June 2021 - actual	14,049,424	474,479	66,073	946,736	18,854	1,506,142
July 2021 - forecast	13,942,997	(37,515)	(4,557)	(62,873)	(1,482)	(106,427)
August 2021 - forecast	13,464,266	(167,793)	(20,547)	(283,722)	(6,669)	(478,731)
September 2021 - forecast	12,187,136	(443,739)	(55,077)	(760,303)	(18,011)	(1,277,130)
October 2021 - forecast	10,041,548	(647,256)	(99,056)	(1,366,754)	(32,522)	(2,145,588)
November 2021 - forecast	8,855,456	(361,754)	(54,473)	(751,806)	(18,059)	(1,186,092)
December 2021 - forecast	8,252,885	(222,566)	(25,132)	(346,559)	(8,314)	(602,571)
January 2022 - forecast	8,645,049	159,411	15,390	212,283	5,080	392,164
February 2022 - forecast	8,240,221	(167,326)	(15,692)	(216,637)	(5,173)	(404,828)
March 2022 - forecast	7,271,894	(363,834)	(39,964)	(551,364)	(13,165)	(968,327)
April 2022 - forecast	5,596,213	(529,523)	(75,811)	(1,045,401)	(24,946)	(1,675,681)
May 2022 - forecast	4,760,999	(250,555)	(38,682)	(533,251)	(12,726)	(835,214)
June 2022 - forecast	$4,524,961	(79,567)	(10,344)	(142,742)	(3,385)	($236,038)

Cumulative (over) / under recovery - **BASE FUEL CAPACITY**	**Cumulative**	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2021	$5,044,753					
March 2021 - actual	5,042,812	(143,103)	39,099	102,063	0	($1,941)
April 2021 - actual	5,585,129	186,048	61,096	295,173	0	542,317
May 2021 - actual	6,269,253	303,937	64,155	316,032	0	684,124
June 2021 - actual	6,506,915	14,070	33,286	190,306	0	237,662
July 2021 - forecast	5,818,251	(200,367)	(41,994)	(446,303)	0	(688,664)
August 2021 - forecast	5,106,513	(208,260)	(44,563)	(458,915)	0	(711,738)
September 2021 - forecast	4,557,265	(140,523)	(35,726)	(372,999)	0	(549,248)
October 2021 - forecast	4,241,289	107,935	(24,463)	(399,448)	0	(315,976)
November 2021 - forecast	4,037,666	109,937	(19,117)	(294,443)	0	(203,623)
December 2021 - forecast	3,384,016	(187,591)	(28,902)	(437,157)	0	(653,650)
January 2022 - forecast	2,522,152	(414,192)	(38,137)	(409,535)	0	(861,864)
February 2022 - forecast	1,733,324	(404,655)	(32,179)	(351,994)	0	(788,828)
March 2022 - forecast	1,404,955	(104,152)	(13,752)	(210,465)	0	(328,369)
April 2022 - forecast	1,288,011	141,531	(10,813)	(247,662)	0	(116,944)
May 2022 - forecast	1,257,936	179,900	(12,579)	(197,396)	0	(30,075)
June 2022 - forecast	$1,017,423	(14,741)	(22,970)	(202,802)	0	($240,513)

Cumulative (over) / under recovery - **ENVIRONMENTAL**	**Cumulative**	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2021	($348,874)					
March 2021 - actual	(370,923)	(10,494)	1,297	(12,852)	0	($22,049)
April 2021 - actual	(417,815)	(19,133)	(856)	(26,903)	0	(46,892)
May 2021 - actual	(364,529)	28,726	5,234	19,326	0	53,286
June 2021 - actual	(216,533)	68,730	11,233	68,033	0	147,996
July 2021 - forecast	(119,513)	55,543	5,160	36,317	0	97,020
August 2021 - forecast	(46,515)	44,739	3,598	24,661	0	72,998
September 2021 - forecast	(44,213)	11,439	(811)	(8,326)	0	2,302
October 2021 - forecast	(85,896)	(6,768)	(3,481)	(31,434)	0	(41,683)
November 2021 - forecast	(107,538)	681	(2,201)	(20,122)	0	(21,642)
December 2021 - forecast	(51,713)	35,741	2,943	17,141	0	55,825
January 2022 - forecast	154,056	102,362	12,362	91,045	0	205,769
February 2022 - forecast	325,552	86,395	10,192	74,909	0	171,496
March 2022 - forecast	311,348	2,343	(1,658)	(14,889)	0	(14,204)
April 2022 - forecast	281,015	(3,028)	(2,735)	(24,570)	0	(30,333)
May 2022 - forecast	255,350	(1,411)	(2,568)	(21,686)	0	(25,665)
June 2022 - forecast	$282,303	21,526	671	4,756	0	$26,953

Cumulative (over) / under recovery - **DERP AVOIDED COSTS**	**Cumulative**	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2021	($19,309)					
March 2021 - actual	(30,648)	(799)	179	(10,719)	0	($11,339)
April 2021 - actual	(32,187)	3,561	690	(5,790)	0	(1,539)
May 2021 - actual	(27,598)	6,523	1,049	(2,983)	0	4,589
June 2021 - actual	(26,468)	4,740	851	(4,461)	0	1,130
July 2021 - forecast	(28,298)	(115)	(178)	(1,537)	0	(1,830)
August 2021 - forecast	(30,690)	(355)	(222)	(1,815)	0	(2,392)
September 2021 - forecast	(33,207)	(453)	(233)	(1,831)	0	(2,517)
October 2021 - forecast	(34,594)	975	(182)	(2,180)	0	(1,387)
November 2021 - forecast	(36,807)	282	(239)	(2,256)	0	(2,213)
December 2021 - forecast	(42,553)	(1,928)	(344)	(3,474)	0	(5,746)
January 2022 - forecast	(49,066)	(3,123)	(367)	(3,023)	0	(6,513)
February 2022 - forecast	(54,598)	(2,828)	(297)	(2,407)	0	(5,532)
March 2022 - forecast	(56,019)	(368)	(105)	(948)	0	(1,421)
April 2022 - forecast	(54,219)	2,064	31	(295)	0	1,800
May 2022 - forecast	(48,430)	3,882	237	1,670	0	5,789
June 2022 - forecast	($47,850)	867	(76)	(211)	0	$580

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
JUNE 2021 REVISED

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$145,566	$105,056	$67,735	$318,357
45	Billed S.C. DERP incremental rates by account ($/account)	Input	1.00	3.67	99.50	
46	Billed S.C. DERP incremental revenue	Input	$140,802	$120,438	$26,795	$288,035
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	4,764	($15,382)	$40,940	$30,322
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	**$4,764**	**($15,382)**	**$40,940**	**$30,322**

Cumulative (over) / under recovery	**Cumulative**	Total Residential	Commercial	Industrial	**Total**
Balance ending February 2021	$173,595				
March 2021 - actual	164,763	(14,575)	(29,089)	$34,832	($8,832)
April 2021 - actual	179,864	(2,281)	(20,080)	$37,462	15,101
May 2021 - actual	197,477	(1,273)	(19,497)	38,383	17,613
June 2021 - actual	227,799	4,764	(15,382)	40,940	30,322
July 2021 - forecast	273,597	20,941	15,113	9,744	45,798
August 2021 - forecast	320,764	21,567	15,565	10,035	47,167
September 2021 - forecast	370,772	22,866	16,502	10,640	50,008
October 2021 - forecast	423,073	23,914	17,259	11,128	52,301
November 2021 - forecast	475,141	23,808	17,182	11,078	52,068
December 2021 - forecast	525,576	23,061	16,643	10,731	50,435
January 2022 - forecast	563,862	17,506	12,634	8,146	38,286
February 2022 - forecast	602,618	17,721	12,789	8,246	38,756
March 2022 - forecast	644,233	19,028	13,733	8,854	41,615
April 2022 - forecast	687,228	19,659	14,188	9,148	42,995
May 2022 - forecast	731,316	20,159	14,549	9,380	44,088
June 2022 - forecast	$774,180	19,599	14,145	9,120	$42,864

Notes:
Detail amounts may not recalculate due to percentages presented as rounded.
Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel non-capacity rate is a composite rate reflecting the 7/1/20 approved residential rate of 1.901 and RECD 5% discount.
_/2 Total residential billed fuel capacity rate is a composite rate reflecting the 7/1/20 approved residential rate of .532 and RECD 5% discount.
_/3 Total residential billed environmental rate is a composite rate reflecting the 7/1/20 approved residential rate of .021 and RECD 5% discount.
_/4 Total residential billed DERP avoided capacity rate is a composite rate reflecting the 7/1/20 approved residential rate of .002 and RECD 5% discount.